

The Essential Silicone Protect & Repair Tape

- **Permanent**
- **Self Bonding**
- **No Adhesive**
- **Water/Air Tight**

Many Uses:

Repair: Radiator hose, garden hose, exhaust pipes, plumbing pipes, air duct joints

Protect: Wire connections, Tool handles, Boat & RV hookups, Rope-ends, Boat riggings, Trailer connections, Power tools, Wire bundles

Where: Auto, Workshop, Camper, Farm, Boat, Garage, House, Trailer, Motorcycle, RV

Features:

- Self bonding silicone wrap - no adhesive or sticky surface.
- Immediate bonding, permanent within 24 hours.
- Creates air and water tight seal.
- Insulates to 400V/mil
- Operating temperatures from -60 deg F to 500 deg F.

Item #	Specifications		UPC	Package	
	Color	Size		QTY	QTY per Master
HTP-1010	Black	1" x 10'	032076560102	1/Clamshell	5
HTP-1010BLU	Blue		032076916084		
HTP-1010CLR	Clear		032076916121		
HTP-1010GRN	Green		032076916077		
HTP-1010GRY	Gray		032076916107		
HTP-1010RED	Red		032076916114		
HTP-1010WHT	White		032076916138		
HTP-1010YLW	Yellow		032076916091		
HTP-1036BLK	Black		1" x 36'		
HTP-1036RED	Red	032076916176			



Electrical & Mechanical Specifications

Typical Properties	Test Method	Performance
Operating Temperature Ranges:		-45°C to 200°C (-50°F to 400°F)
Continuous:		-65°C to 260°C (-80°F to 500°F)
Specific Gravity	ASTM D792	1.2±.03
Hardness, Durometer, Shore A Room-cured-24 Hours:	ASTM D2240	55±5
Tensile Strength	ASTM D412	700 psi min.
Elongation	ASTM D412	300% min.
Tear Strength	ASTM D624, Die B	60 ppi min.
Bond Strength	MIL-I-46852	2lbs. min.
Adhesion, unwind	ASTM D2148	3 in. min.
Cold Brittle Point	ASTM D2137	-54°C (-65°F)
Water absorption, by weight	Fed. Std. 601, Meth. 6251	5% max.
Dielectric Strength	ASTM D149	400Vpm min.
Dielectric Constant, 1kHz	ASTM D150	2.95
Dissipation Factor, 1kHz	ASTM D150	< 0.0004
Volume Resistivity	ASTM D257	1 x 10 ¹³ OHMS/cm min.

General Performance Properties

Moisture Resistance	Excellent	UV Resistance	Excellent
Electrical Insulation	Excellent	Ozone Resistance	Excellent
Resilience	Excellent	Corrosion Prevention	Excellent
High Temperatures	Excellent	Solvent Resistance	Good
Flame Resistance	Good	Acid Resistance	Good-Fair
Abrasion Resistance	Good	Oil Resistance	Good-Fair
Tear Resistance	Good	Hydrocarbon Resistance	Good-Fair

Relation and Compliance to Industry Standards

A-A-59163:	Supersedes MIL-I-46852C
CPSIA:	Consumer Product Safety Improvement Act
PROP 65:	The Safe Drinking Water and Toxic Enforcement Act of 1986
Class H Insulator-	National Electrical Manufacturers Association (NEMA)
RoHS:	Restriction of Hazardous Substances Directive 2002/95/EC
REACH:	Registration, Evaluation, Authorization and Restriction of Chemicals (EU Regulation)
Flammability Testing:	Per CPSC's ASTM F963-08
UL:	UL Listed for use at not more than 600V and at not more than 80°C (176°F)

Instructions: Clean surface to be wrapped. Cut length of Repair Tape needed for the application. Peel short length of protective film from one end. Keep tape clean and dry. Begin with one complete overlap onto the tape itself. Stretch tape while continuing to wrap object with 1/2 laps, removing protective film as you go. Final wrap should be 1 complete overlap onto itself, as done in the beginning.

Special Notes:

Repair Tape bond begins to cure immediately upon contact with itself.
 Repositioning or removal is not recommended after 2 minutes of contact.
 Repair Tape will form a permanent bond within 24 hours at room temperature.
 Store lying flat in a cool, dry place.

For warranty information on Repair Tape and other Gardner Bender products, please go to gardnerbender.com.